

**X-RAY PLANE DETECTOR**

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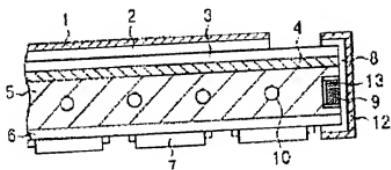
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**Abstract of JP2001099942**

**PROBLEM TO BE SOLVED:** To provide an X-ray plane detector free from a malfunction and excellent in reliability for a long period.

**SOLUTION:** This detector is provided with a first substrate 3 wherein photoelectric transducers for transferring an incident X-ray to an electric charge are formed in a two-dimensional matrix, a plate-like metal holding member 5 for holding the first substrate 3, a shielding member 4 interposed between the first substrate 3 and the holding member 5 to prevent the incident X-ray from being scattered rearwards, a second substrate 6 arranged in a side opposed to the first substrate 3 in the holding member 5 and mounted with an electronic circuit thereon, and a flexible substrate 8 for connecting electrically the first substrate 3 to the second substrate 6 and mounted with a semiconductor element 9. The semiconductor element 9 is arranged in a position where the X-rays are shielded by the shielding member 4, in a side opposite to an incident face of the X-rays in the shielding member 4, and is brought into close contact with the holding member 5 via a heat-conductive resin layer 13.



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